

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave.St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001906**Date Inspected:** 12-Mar-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Chang xing dao, Shanghai**Quality Control Contact:** Mr. Don Walton**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coating Inspection**Bridge No:** 34-0006**Component:** See below**Bid Item:** 77, 78, 79**Lot No:** B# 204**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE II coating inspector, Mr. Baskar Govindarajan arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE II coating inspector observed the following:

1. An inspection was requested on the Cross beam external and internal surfaces CB6 -1 Set, for Degreasing and cleaning, vide request no. 2846 at North west Corner for the OBG Fabrication Workshop. This Caltrans inspector observed, ABF inspectors Mr. Wei, performing Degreasing and Cleaning inspection of external and internal surfaces which was accepted after ZPMC personnel attended some of the cleaning works in Hole areas.

2. An inspection was requested on OBG External surface Lift 5 -L5E & L5W except the cross beam Bottom plate at OBG assembly yard, vide inspection request no. 2847A. This Caltrans inspector observed, ABF inspectors Mr. Don Walton, Mr. Turtle performing DFT check and the results found to be in the range of 234 to 275 which is acceptable as per contract documents. Mr. Bill Howe from Caltrans were present during the Inspection process and final acceptance for finish coat application were given by him. International protective coatings technical service representative Mr. Li peng was found present during the course of this inspection process.

3. An inspection was requested on the OBG internal entire floor from P.P32 to P.P33 to P.P 34 and OBG cross beam terminal internal surface for DFT Check of primer coat at OBG assembly yard, vide inspection request no. 2848. This Caltrans inspector observed, ABF inspectors Mr. Wei and Mr. Turtle rejected the same as it was found not meeting the minimum requirement in some of the places. International protective coatings technical

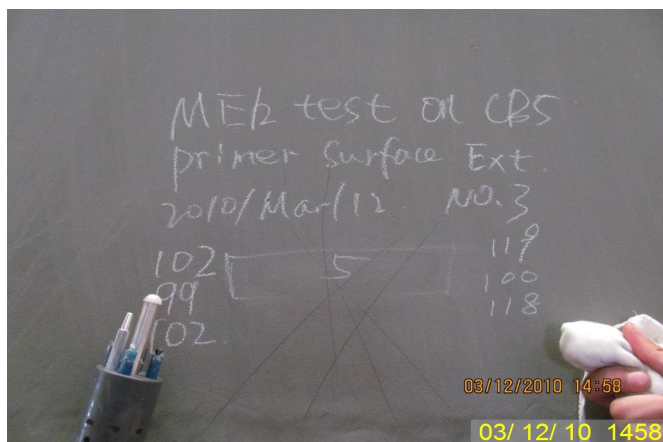
SOURCE INSPECTION REPORT

(Continued Page 2 of 3)

service representative Mr. Li peng was found present during the course of this inspection process.

4. An inspection was requested on the Cross beam (CB5) external surface for DFT Check of primer coat, Residual chlorides test and MEK Test vide inspection request no. 2850. This Caltrans inspector observed, ABF inspectors Mr. Wei, Mr. Shi stone, Mr. Sun and Mr. Turtle performing the above mentioned Inspections. The results of MEK Test found in the range of Grade 4 & 5 which is acceptable as per contract documents. The results of Residual chlorides test found to be 10 and 20 us/cm which was measured by ZPMC QC Inspectors.(Photo of MEK Test result and residual chloride test is attached). International protective coatings technical service representative Mr. Li peng was found present during the course of this inspection process. The ambient conditions found to be 5.8 deg. above dew point and the relative humidity found to be 66.1% outside the paint shop which is found to be within the parameters of contract documents.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



Summary of Conversations:

No applicable Conversations

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Skyler Guest (15000422360), who represents the Office of Structural Materials for

SOURCE INSPECTION REPORT

(Continued Page 3 of 3)

your project.

Inspected By:	Baskar,Govindarajan	Quality Assurance Inspector
----------------------	---------------------	-----------------------------

Reviewed By:	Clifford,William	QA Reviewer
---------------------	------------------	-------------